

Patent Abstracts of Japan

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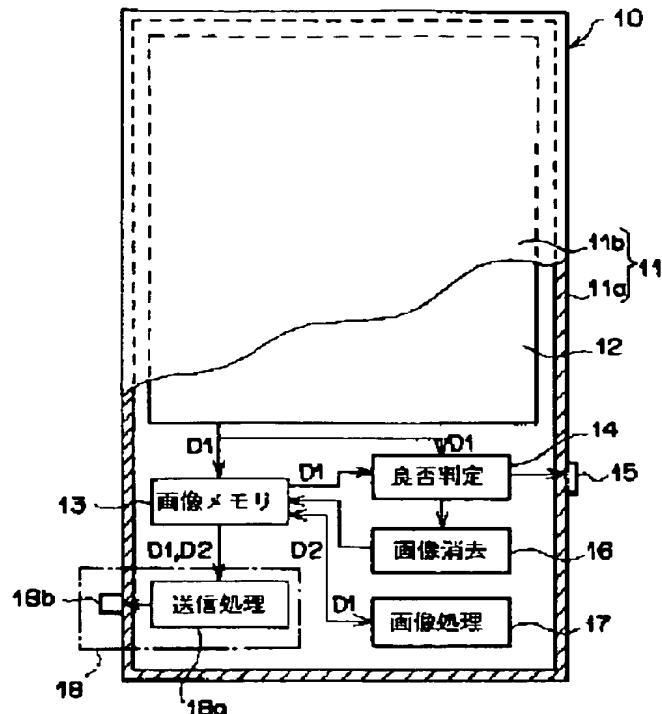
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APPLICATION NUMBER : 11067722

APPLICANT : FUJI PHOTO FILM CO LTD;

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G06T 1/00 G21K 4/00

TITLE : RADIATION SOLID STATE DETECTOR



ABSTRACT : PROBLEM TO BE SOLVED: To enable immediate re-shooting in case of poor imaging by quickly judging the propriety of the imaging after shooting in a device equipped with a radiation solid state detector.

SOLUTION: This radiation solid state detector used for taking radiation images is especially a cassette type radiation solid state detector equipped with a radiation solid state detector 12 which detects radiation carrying image information to output a picture signal carrying the image information. The propriety of imaging is judged based on the picture signal outputted from the radiation solid state detector 12. In case of poor imaging, the condition is reported to a photographer by a reporting means 15 while a picture signal of the poor imaging read out of the radiation solid state detector 12 and stored in an image memory 13 is eliminated by an image elimination means 16.

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PA - (FUJF) FUJI PHOTO FILM CO LTD

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XIC - A61B-006/00 ; G01T-001/00 ; G03B-042/02 ; G06T-001/00 ; G21K-004/00

XP - N2001-093761

AB - JP2000262501 NOVELTY - A radiation solid state detector (12) detects radiation-containing image information and outputs an image signal. Based on the output image signal, a photography quality judging unit (14) judges the quality of the photography.

- USE - In e.g. radiation film cassettes for X-ray photography.

- ADVANTAGE - As the image signal output by the radiation solid state detector is evaluated, the quality of photography is judged immediately after photography, hence re-photography is performed quickly when the patient is still in the photography room and hence simple re-photography is attained. When the quality of the photography is poor, it is erased from the image memory, reducing problems associated due to image signal with poor photography. The photographer is alerted regarding poor photography without looking at the photography, by providing warning devices which output light or a voice signal.

- DESCRIPTION OF DRAWING(S) - The figure shows a front elevation of the radiation film cassette.

- Detector 12

- Judging unit 14

- (Dwg.1/3)

IW - RADIATE FILM CASSETTE RAY PHOTOGRAPH QUALITY JUDGEMENT UNIT JUDGEMENT QUALITY PHOTOGRAPH BASED IMAGE SIGNAL OUTPUT RADIATE SOLID STATE DETECT

IKW - RADIATE FILM CASSETTE RAY PHOTOGRAPH QUALITY JUDGEMENT UNIT JUDGEMENT QUALITY PHOTOGRAPH BASED IMAGE SIGNAL OUTPUT RADIATE SOLID STATE DETECT

NC - 001

OPD - 1999-03-15

ORD - 2000-09-26

PAW - (FUJF) FUJI PHOTO FILM CO LTD

TI - Radiation film cassette for X-ray photography, has quality judging unit which judges quality of photography, based on image signal output by radiation solid state detector